



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **61088240 A**(43) Date of publication of application: **06.05.86**

(51) Int. Cl. **G03B 9/10**
G02B 7/02
G03B 5/00
// G03B 9/02

(21) Application number: **60007426**(22) Date of filing: **21.01.85**(62) Division of application: **59208093**(71) Applicant: **MAMIYA KOKI KK**(72) Inventor: **AMADA MITSUMASA**(54) **TILT LENS WITH LENS SHUTTER**

every direction.

(57) Abstract:

COPYRIGHT: (C)1986,JPO&Japio

PURPOSE: To make a swing in every direction by providing a lens barrel rotating part which is mounted on a lens barrel fixation part fixed to a cameral body rotatably around the optical axis and a main-body side interlocking member which is driven by a shutter driving part.

CONSTITUTION: A lens barrel consists of the lens barrel fixation part fixed to the bayonet of a main body together with a mount the lens barrel rotating parts which rotate by 90° each and 180° in total in the opposite directions, a lens barrel shift part which moves in parallel by specific distance about an origin, and a lens barrel tilt part which slides opposite the lens barrel shift part across a light shield member. When interlocking member 17 and 30 are coupled together, the rotation of the lens barrel rotating part is stopped by a coupling resetting member 24, and the lens barrel rotation part is allowed to rotate during the resetting of coupling while the rotation of a shutter interlocking member 30 is stopped, so the lens barrel is rotated while shifted and tilted in combination, thereby performing swinging operation in

